

## ABSTRACT

Methods for effecting mammary secretion of milk from an animal, without the benefit of an immediately preceding pregnancy are provided. An exemplary embodiment the method comprises elevating an animal's estradiol and progesterone blood level sufficient to maintain a milk-secretion stimulating amount for approximately 5 to 12 consecutive days, wherein the day of the first elevation is defined to be day 0; and elevating an animal's somatotropin blood level sufficient to maintain a milk-secretion stimulating amount for at least 20 days from day 0. In any embodiment the method also optionally includes administering to the animal a milk-secretion stimulating amount of dexamethasone on approximately day 13 of the treatment. Furthermore, any embodiment the method may also optionally include adjusting the photo-period to which the animal is exposed in order to stimulate milk secretion. Any embodiment the method may also include physical stimulation of the animal's mammary gland.